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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,401	11/26/2003	Hyoun-Ee Kim	SECH-10159	8877
	7590 08/14/2007 DLSEN & WATTS		EXAMINER	
18 E UNIVERSITY DRIVE		SNOW, BRUCE EDWARD		
SUITE # 101 MESA, AZ 852	201		ART UNIT	PAPER NUMBER
		•	3738	
			MAIL DATE	DELIVERY MODE
			08/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/723,401	KIM ET AL.				
Office Action Summary	Examiner	Art Unit				
	Bruce E. Snow	3738				
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet	with the correspondence address	S			
A SHORTENED STATUTORY PERIOD FOR RI WHICHEVER IS LONGER, FROM THE MAILIN  - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communicatio  - If NO period for reply is specified above, the maximum statutory  - Failure to reply within the set or extended period for reply will, by so Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUN FR 1.136(a). In no event, however, may n. eriod will apply and will expire SIX (6) Mo statute, cause the application to become	IICATION.  a reply be timely filed  DNTHS from the mailing date of this commur  ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	22 June 2007.					
•	This action is non-final.					
3) Since this application is in condition for all						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims		•				
4)⊠ Claim(s) <u>1-17</u> is/are pending in the application.						
4a) Of the above claim(s) is/are with	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-17</u> is/are rejected.	6)⊠ Claim(s) <u>1-17</u> is/are rejected.					
7) Claim(s) is/are objected to.	) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction a	nd/or election requirement.					
Application Papers						
9) The specification is objected to by the Exa	miner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the co	orrection is required if the drawir	ng(s) is objected to. See 37 CFR 1.	121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No						
<ul> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-94	8) Paper N	v Summary (PTO-413) o(s)/Mail Date				
B) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application  6) Other:						

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## **DETAILED ACTION**

## Response to Arguments

The declaration under 37 CFR 1.132 filed 5/23/07 is sufficient to overcome the rejection of claims 1-17 based upon Kim et al (Porous ZRO2 bone scaffold coated with hydroxyapatite with fluorapatite intermediate layer, applicant submitted).

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-17 are rejected under 35 U.S.C. 102(a) as being anticipated Zhang et al (2003/0099762).

Referring to figure 2, Zhang et al teaches:

A porous bioceramics for bone scaffold comprising:

a biocompatible porous ceramic 2 (first layer, see at least claim 2 teaching ZrO2) substrate having the property to thermal-decompose hydroxyapatite in contact with it;

a fluorapatite (FA) inner layer 6 (second layer, see at least paragraph 0037 teaching fluorapatite) formed on said porous ceramic substrate; and

a hydroxyapatite (HA) outer layer 8 (third layer, see at least paragraph 0027) formed on said fluorapatite inner layer.

All other limitations are self-evident or inherent properties to the materials.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bruce E. Snow whose telephone number is (571) 272-4759. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on (571) 272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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PRIMARY EXAMINER